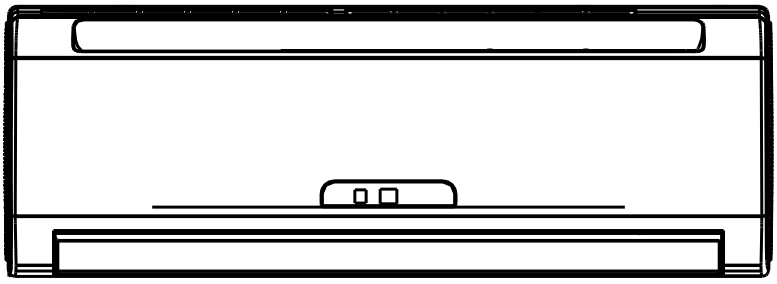
Kelvinator

Before using your air conditioner, please read this manual carefully and keep it for future reference.

INVERTER SPLIT – TYPE ROOM AIR CONDITIONER

USER'S MANUAL



Read This Manual

Inside you will find many helpful hints on how to use and maintain your air conditioner properly. Just a little preventative care on your part can save you a great deal of time and money over the life of your air conditioner. You'll find many answers to common problems in the chart of troubleshooting tips. If you review the chart of Troubleshooting Tips first, you may not need to call for service.

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⚠ IMPORTANT NOTES:

- Contact an authorised installer for installation of this unit.
- Contact an authorised service technician for repair or maintenance of this unit.
- The socket-oulet required to supply power must be connected and commissioned by a licenced contractor.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.
- Young children should be supervised to ensure that they do not play with the air conditioner.
- If the power cord is to be replaced, replacement work shall be performed by authorised personnel only.
- Installation work must be performed in accordance with the national wiring standards and the electricity suppliers service rules by authorised personnel only.
- If the system is to be moved to another location or disposed of, only a suitably qualified person is permitted to undertake such work.
- Take care not to catch fingers on the fan blade when adjusting vertical louvres.
- This air conditioner may use R22, R407C or R410A refrigerant (Confirm before installation).

ENVIRONMENTAL PROTECTION

Disposal

Do not dispose of this product as unsorted municipal waste. Sort waste separately for special treatment is necessary.

It may be prohibited to dispose of this appliance as domestic household waste.

There are several methods suggested for disposal of this product:

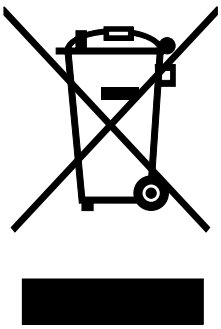
A) The municipality may have established collection systems, where electronic waste can be disposed of free of charge by the user.

B) When buying a new product, the retailer may take back the old product free of charge.

C) The manufacturer may take back the old appliance for disposal at least free of charge.

D) As old products contain valuable resources, they can be sold or given to scrap metal dealers for recycling.

Disposal of waste in forests and landscapes can endanger your health when hazardous substances leak into the ground-water and find their way into the food chain.



SAFETY PRECAUTIONS

To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage.

- The seriousness is classified by the following indications.

⚠ **WARNING**	This symbol indicates the possibility of death or serious injury.
⚠ **CAUTION**	This symbol indicates the possibility of injury or damage to property.

- Meanings of symbols used in this manual are as shown below.

⃠	**Never do this.**
ⓘ	**Always do this.**

⚠ WARNING

ⓘ Connect with power properly.
- Otherwise, it may cause electric shock or fire due to excess heat generation.

⃠ Do not operate or stop the unit by switching on or off the power.
- It may cause electric shock or fire due to heat generation.

⃠ Do not damage or use an unspecified power cord.
- It may cause electric shock or fire.

⃠ Do not modify power cord length or share the outlet with other appliances
- It may cause electric shock or fire due to heat generation.

⃠ Do not operate with wet hands or in damp environment.
- It may cause electric shock.

⃠ Do not direct airflow at room occupants only.
- This could damage your health.

ⓘ Always ensure effective earthing.
- No earthing may cause electric shock.

⃠ Do not allow water to run into electric parts.
- It may cause failure of machine or electric shock.

ⓘ Always install circuit breaker and a dedicated power circuit.
- No installation may cause fire and electric shock.

ⓘ Disconnect the power if strange sounds, smell, or smoke comes from unit.
- It may cause fire and electric shock.

⃠ Do not drink water drained from air conditioner.
- It contains contaminants and could make you sick.

⃠ Do not open the unit during operation.
- It may cause electric shock.

ⓘ Use correctly rated circuit breaker or fuse.
- There is risk of fire or electric shock.

⃠ Do not use the power cord close to heating appliances
- It may cause fire and electric shock.

⃠ Do not use the power cord near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.
- It may cause an explosion or fire.

ⓘ Ventilate room before operating air conditioner if there is a gas leakage from another appliance.
- It may cause explosion, fire and, burns.

⃠ Do not disassemble or modify unit.
- It may cause failure and electric shock.

SAFETY PRECAUTIONS

⚠ CAUTION

⊘ When the air filter is to be removed, do not touch the metal parts of the unit.

- It may cause an injury.

⊘ Do not clean the air conditioner with water.

- Water may enter the unit and degrade the insulation. It may cause an electric shock.

ⓘ Ventilate the room well when used together with a stove, etc.

- An oxygen shortage may occur.

ⓘ When the unit is to be cleaned, switch off, and turn off the circuit breaker.

- Do not clean unit when power is on as it may cause fire and electric shock, it may cause an injury.

⊘ Do not put a pet or house plant where it will be exposed to direct air flow.

- This could injure the pet or plant.

⊘ Do not use for special purposes.

- Do not use this air conditioner to preserve precision devices, food, pets, plants, and art objects. It may cause deterioration of quality, etc.

ⓘ Stop operation and close the window in storm or hurricane.

- Operation with windows opened may cause wetting of indoor and soaking of household furniture.

⊘ Do not place obstacles around air-inlets or inside of air-outlet.

- It may cause failure of appliance or accident.

ⓘ Turn off the main power switch when not using the unit for a long time.

- It may cause failure of product or fire.

⊘ Do not use strong detergent such as wax or thinner. Use a soft cloth for cleaning.

- Appearance may be deteriorated due to change of product color or scratching of its surface.

ⓘ Ensure that the installation bracket of the outdoor appliance is not damaged due to prolonged exposure.

- If bracket is damaged, there is concern of damage due to falling of unit.

ⓘ Always insert the filters securely. Clean filter once every two weeks.

- Operation without filters may cause failure.

⊘ Do not place heavy object on the power cord and take care so that the cord is not compressed.

- There is danger of fire or electric shock.

ⓘ Use caution when unpacking and installing. Sharp edges could cause injury.

ⓘ If water enters the unit, turn the unit off and disconnect the power , contact a qualified service technician.

ⓘ Hold the plug by the head of the power plug when taking it out.

- Failue to do so may cause electric shock and damage.

ⓘ Do not drink water drained from air conditioner.

- It contains contaminants and could make you sick.

SAFETY PRECAUTIONS

Prior to Operation

Preparing for operation

1. Contact an installation specialist for installation.
2. Plug in the power plug properly.
3. Do not use a damaged or non-standard power cord.
4. Do not share the same outlet with other appliances.
5. Do not use an extension cord.
6. Do not start/stop operation by plugging/unplugging the power cord.

Usage

1. Exposure to direct airflow for an extended period of time could be hazardous to your health. Do not expose occupants, pets, or plants to direct airflow for extended periods of time.
2. Due to the possibility of oxygen deficiency, ventilate the room when used together with stoves or other heating devices.
3. Do not use this air conditioner for non-specified special purposes (e.g. Preserving precision devices, food, pets, plants, and art objects). Usage in such a manner could harm such property.

Cleaning and maintenance

1. Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
2. Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
3. When cleaning the unit, first make sure that the power and circuit breaker are turned off.

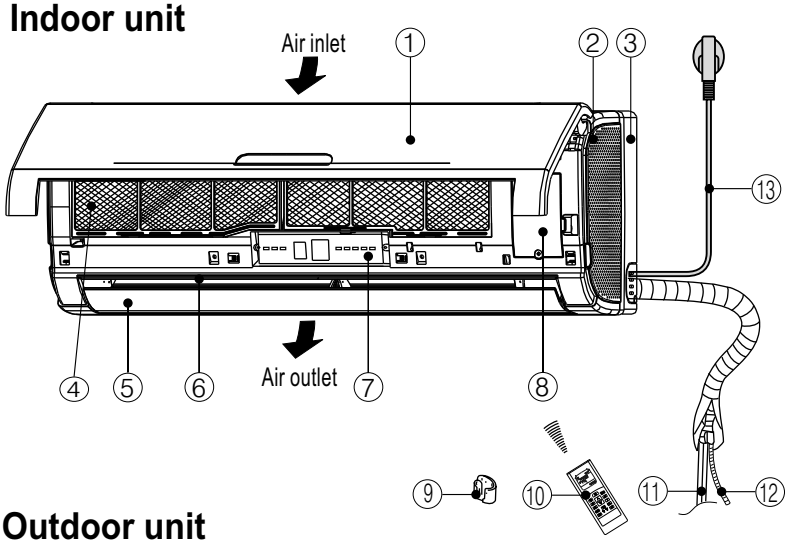
Service

For repair and maintenance, contact your authorised service dealer.

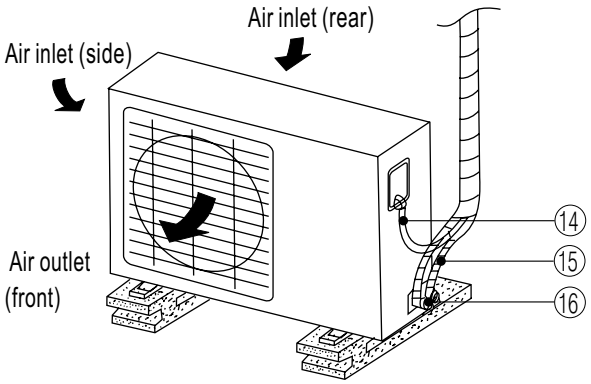
OPERATING INSTRUCTIONS

Unit identification

Indoor unit



Outdoor unit



Indoor unit

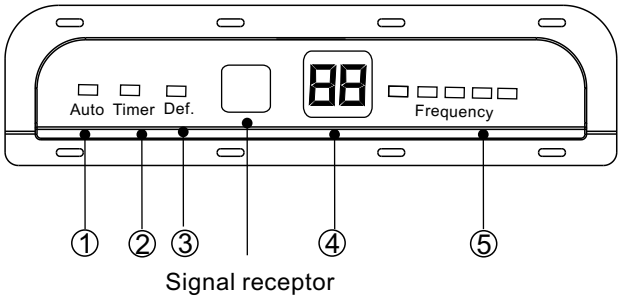
1. Front panel
2. Panel frame
3. Chassis
4. Air filter
5. Horizontal louver
6. Vertical louver
7. Indicator lamps
8. Manual control button
9. Remote controller holder (If applicable)
10. Remote controller
11. Refrigerant pipe
12. Drain hose
13. Power cord (If applicable)

Outdoor unit

14. Connecting cable
15. Refrigerant pipe
16. Stop valve

NOTE:
All pictures in this manual are for explanation purpose only. Your air conditioner may be slightly different. The actual shape shall prevail.

LED display panel on indoor unit



① **Auto indicator**
This indicator illuminates when the air conditioner is in AUTO mode.

② **Timer indicator**
This indicator illuminates when Timer is set ON/OFF.

③ **Defrost indicator**
(For Heating & Cooling models only):
This indicator illuminates when the air conditioner starts defrosting automatically or when the anti cold air feature is activated in heating mode.

OPERATING INSTRUCTIONS

④ **Temperature indicator**

A) Displays the temperature settings. When you change the setting temperature, the indicator begins to flash, and stops 20 seconds after temperature has been set.

B) Displays the room temperature when the air conditioner is in FAN only mode.

C) When the unit stops operation, the indicator returns to original factory settings.

D) Displays the malfunction code or protection code.

⑤ **Operation Frequency display**

This display is separated into five zones. The zones illuminate based on the compressors operating frequency. For example, higher frequency will illuminate more zones.

Additional features

Sleep mode:

This function enables the unit to automatically increase (cooling) or decrease (heating) setting by 1°C per hour for the first two hours, then hold steady for the next 5 hours, after such time the unit will stop operation. Enables unit to maintain the most comfortable temperature and save energy.

Auto-Restart function:

When there is a power failure to the unit, after power is restored, the unit automatically returns to the original function settings.

CLEAN AIR function (If applicable)

Air quality is the key to comfort, this air conditioner may be equipped with Ionizer or Plasma Dust Collector (Depending on models). Ionizer can generate abundant anions to fill the room with refreshing and natural air. Your whole family will enjoy natural, pure and healthy air everyday. The Plasma Dust Collector can generate an ionization zone. The air is passed through a plasma field as it passes the high voltage ion generator 95% of the dust, smoke, and pollen particles are attracted to the electrostatic filter.

Easy-cleaned panel:

The front panel may be easily removed for periodic cleaning.

Self-diagnosis and Auto-protection Function:

This function can electronically detect any errors and display the diagnosis by a series of flashing LED's on the indoor unit. When this occurs, the unit will automatically switch to protection mode.

Feel function (If applicable)

The remote control serves as a remote thermostat allowing for the precise temperature control at its location.

To activate the Feel feature, point the remote control towards the unit and press the Feel button. The remote display is actual temperature at its location. The remote control will send this signal to the air conditioner every 3 minutes interval until you press the Feel button again. If the unit does not receive the Feel signal during any 7 minute interval, the unit will beep to indicate the Feel mode has ended.

OPERATING INSTRUCTIONS

Operating temperature

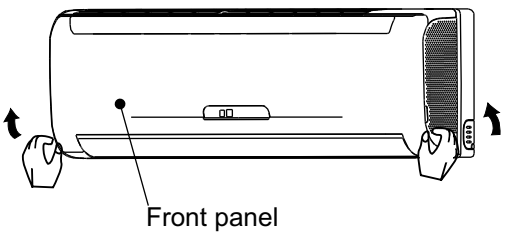
Mode / Temperature	Cooling operation	Heating operation	Drying operation
Room temperature	17˚C ~ 32˚C	17˚C ~ 27˚C	10˚C ~ 23˚C
Outdoor temperature	18˚C ~ 50˚C	-15˚C ~ 34˚C	10˚C ~ 50˚C

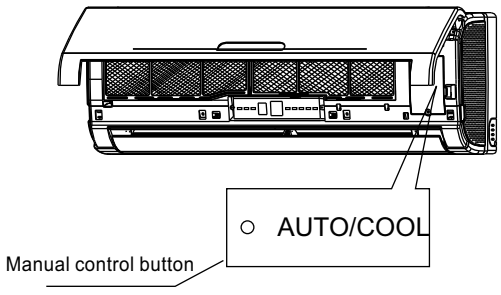
CAUTION:

1. If air conditioner is used outside of the above conditions, certain safety protection features may come into operation and cause the unit to function abnormally.
2. Room relative humidity less than 80%. If the air conditioner operates in excess of this figure, the surface of the air conditioner may attract condensation. Please set the vertical air flow louver to its maximum angle (vertically to the floor), and set HIGH fan mode.
3. Optimum performance will be achieved within these operating temperatures.

Manual operation

Units are equipped with a switch to active manual operation mode. This switch can be used as a back-up to turn the unit on and off if the remote control is lost or fails to operate.





① Grasp and lift the front panel up to an angle until it remains fixed with a clicking sound.
② Push the button until the AUTO indicator is lit, the unit will work in forced AUTO mode (the default setting temperature is 24℃).
③ Close the panel firmly to its original position.

CAUTION:

- Once you push the manual button, the operation mode is shifted in the following order: AUTO, COOL, then OFF.
- Push the button twice, the unit will operate in forced COOL mode.
- On the third press the unit will turn OFF and cease operation
- The forced COOL mode is used for testing purposes.
- To return to the remote controller operation, use the remote controller directly.

OPERATING INSTRUCTIONS

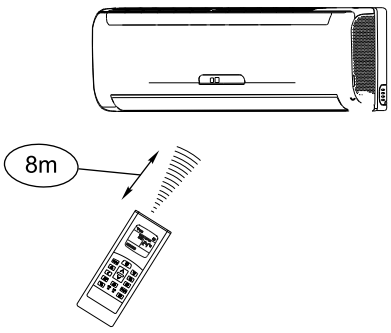
Optimal operation

To achieve optimal performance, please note the following:

- Adjust the air flow direction correctly so that it is not directed on people.
- Adjust the temperature to achieve the highest comfort level. Do not adjust the unit to excessive temperature levels.
- Close doors and windows on COOL or HEAT modes, or performance may be reduced.
- Use TIMER ON button on the remote controller to select a time you want to start your air conditioner.
- Do not put any object near air inlet or air outlet, as the efficiency of the air conditioner may be reduced and the air conditioner may stop running.
- Clean the air filter frequently, otherwise cooling or heating performance may be reduced.
- Do not operate unit with horizontal louvre in closed position.

USING THE REMOTE CONTROLLER

Location of the remote control



- Keep the remote control where its signals can reach the receiver of the indoor unit (Maximum distance of 8m is allowed).
- When you select the timer operation, the remote control automatically transmits a signal to the indoor unit at the specified time.
- If you keep the remote controller in a position that hinders proper signal transmission, a time lag of up to 15 minutes may occur.

⚠ CAUTION

- The air conditioner will not operate if curtains, doors or other materials block the signals from the remote control to the indoor unit.
- Prevent any liquid from falling into the remote control. Do not expose the remote control to direct sunlight or heat.
- If the infrared signal receiver on the indoor unit is exposed to direct sunlight, the air conditioner may not function properly. Use curtains to shade the receiver from direct sunlight.
- If other electrical appliances react to the remote control either move these appliances or consult your local dealer.

Replacing batteries

The remote control uses two alkaline dry batteries (2 x AAA 1.5Volt).
Do not use rechargeable batteries.

(1) Slide the cover of the battery compartment (on the rear of the remote control) off, then replace the old batteries with new ones, as detailed inside of battery compartment. Making sure that the (+) and (-) of the battery are installed correctly.

(2) Slide the battery compartment cover back on.

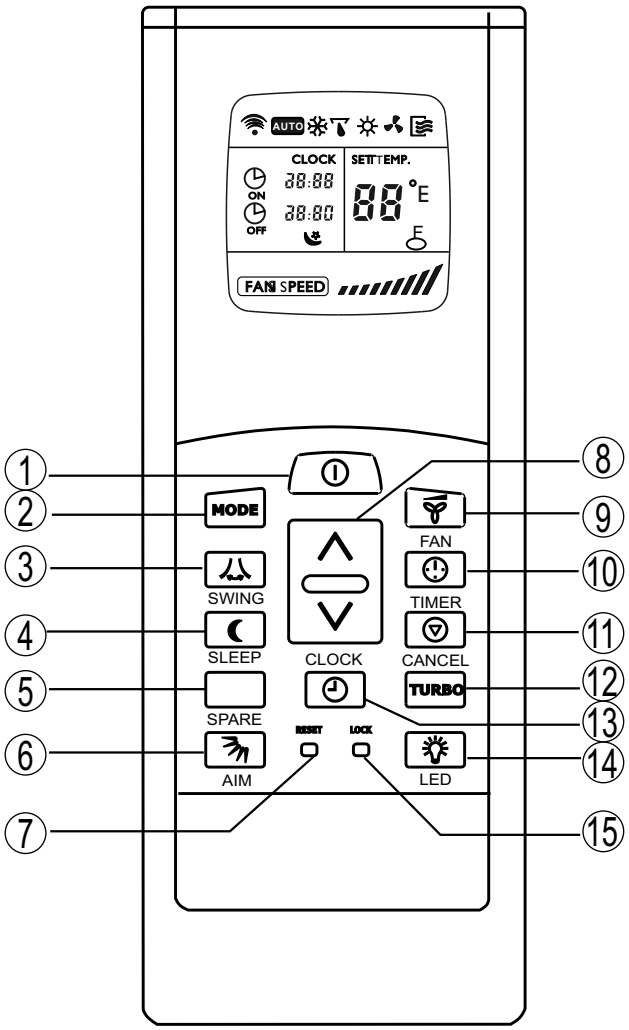
⇩
Slide out

⚠ NOTES

- When replacing batteries, do not use old batteries or different type batteries otherwise it may cause the remote control to malfunction.
- If you do not use the remote control for more than a few weeks, remove the batteries otherwise battery leakage may damage the remote control.
- The average battery life during normal use is approximately six months.
- Replace the batteries when there is no receiving beep from the indoor unit or if the transmission indicator on the remote control fails to light.

USING THE REMOTE CONTROLLER

Features of remote controller



① **ON/OFF Button:** Push this button to start operation, push the button again to stop operation.

②

AUTO → COOL → DRY → HEAT → FAN

⚠ **NOTE:** *COOL only model has no HEAT feature.*

③ **SWING Button:** Push this button, the louver would swing up and down automatically. Push again to stop it .

USING THE REMOTE CONTROLLER

Features of remote controller (continued)

④ **SLEEP Button:** Press this button to go into the Energy-Saving operation mode. Press it again to cancel. This function is only can be used on COOL, HEAT and AUTO mode and maintain the most comfortable temperature for you.

NOTE: While the unit is running under SLEEP operation mode, it would be canceled if you press the other button.

⑤ **SPARE Button:** This button has no function on this model.

⑥ **AIM Button:** Press this button to change the swing angle of the louver. The swing angle of the louver is 6° for each press. When the louver swing at a certain angle which would affect the cooling and heating effect of the air conditioner, it would automatically change the swing direction . No symbol will appear in the display area when press this button.

⑦ **RESET Recessed Button:** When you press the recessed RESET button, all current settings are cancelled and the control will return to the initial settings.

⑧ **TEMP/TIME Button :** Press the ▲ button to increase the indoor temperature setting or to adjust the TIMER in a clockwise direction. Press the▼ button to decrease the indoor temperature setting or to adjust the TIMER in a counter-clockwise direction.

⑨ **FAN Button:** Used to select the Fan Speed in four steps-AUTO、LOW 、MED or HIGH. Each time the button is pressed, the fan speed mode is shifted.

⑩ **TIMER Button:** This button is used to preset the time ON (start to operate) and the time OFF (turn off the operation).

⑪ **CANCEL Button:** Press this button to cancel the TIMER ON/OFF settings.

⑫ **TURBO Button:** Press this button on COOL mode, the air conditioner goes into powerful cooling operation. Press again to cancel the TURBO function.

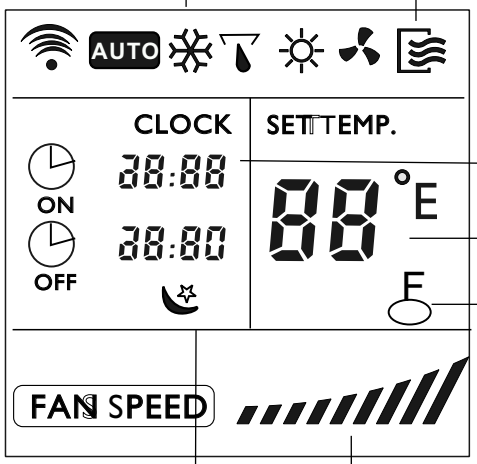
⑬ **CLOCK Button:** Use to set the time.

⑭ **LED Button:** Press this button to clear the digit display in the air conditioner, press it again to activate it .

⑮ **LOCK Recessed Button:** When you press the LOCK button, all current settings are locked in and the remote controller does not accept any operation except that of the LOCK. Press again to cancel the LOCK mode.

USING THE REMOTE CONTROLLER

Indicators on remote controller



Transmission Indicator

This transmission indicator lights when remote controller transmits signals to the indoor unit.

Mode display

Displays the current operation mode. Including AUTO(AUTO), COOL( ), DRY( ), HEAT( ) (Not applicable to cooling only models), FAN ONLY ( )and back to AUTO(AUTO).

ON/OFF display

Displayed by pressing the ON/OFF button. Press the ON/OFF button again to remove.

Temp. display

Displays the temperature setting (17˚C to 30˚C） When you set the operating mode to FAN ONLY, no temperature setting is displayed.

Time display

Indicate Timer on/off time(00:00-23:50 hours) or clock time.

The clock time is indicated only when no AUTO-ON/OFF timer is set. When AUTO-TIMER feature is operating, it displays the AUTO-ON/OFF time. To check the current time, press the CLOCK button, and the time will display.

Fan speed display

Displays the selected fan speed, AUTO and three fan speed levels " " (LOW) " " (MED) " " (HIGH) can be indicated. Displays AUTO when the operating mode is either AUTO or DRY.

Lock Display

Displayed by pressing the LOCK button. Press the LOCK button again to remove.

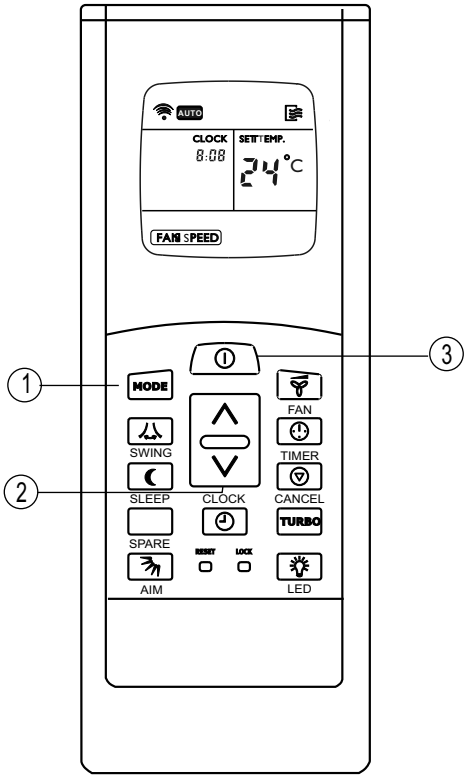
Sleep Display

Displayed by pressing the SLEEP button. Press the SLEEP button again to remove.

Note:
All displays on the remote controller are shown for illustration purposes only.

USING THE REMOTE CONTROLLER

Automatic Operation



When you set the air conditioner in AUTO mode, it will automatically select cooling, heating (cooling only type without), or fan only operation depending on what temperature you have selected and the room temperature.
Once you select the operating mode, the operating conditions are saved in the unit's microcomputer memory.
Thereafter, the air conditioner will start operating under the same conditions when you simply push the ON/OFF button of the remote controller.

Start

Ensure the unit is plugged in and power is available. The OPERATION indicator on the display panel of the indoor unit starts flashing.

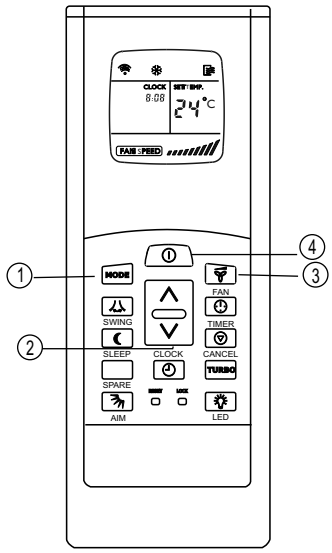
1. Mode select button (MODE)
   Press to select AUTO.
2. TEMP/TIME button
   Set the desired temperature. Normally, set at 22°C.
3. ON/OFF button
   When the remote controller is off, push this button to start the air conditioner.

Stop

ON/OFF button
Push this button again to stop the air conditioner.
If the AUTO mode is uncomfortable, you can select the desired conditions manually.
When you select the AUTO mode, you do not have to set the fan speed. The fan speed will be automatically controlled.

USING THE REMOTE CONTROLLER

Cooling/Heating/Fan only operation



Start

Ensure unit is plugged and power is available.
The OPERATION lamp on the display panel of the indoor unit starts flashing.

1. Mode select button (MODE)
   Press to select COOL, HEAT (Not applicable to cooling only models), or FAN ONLY

2. TEMP/TIME button
   Set the desired temperature, the most comfortable temperature is between 21°C to 24°C.

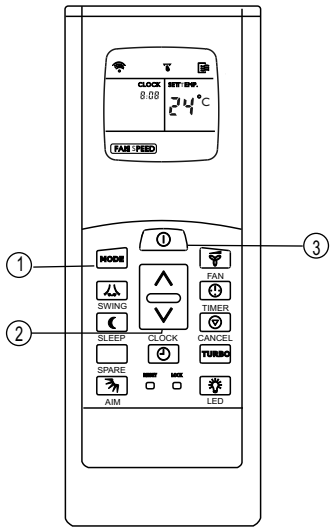
3. Fan speed button (FAN SPEED)
   Press to select "AUTO" "LOW", "MED" and "HIGH"

4. ON/OFF button
   When the remote controller is off, push this button to start the air conditioner.

Stop

ON/OFF button
Push this button again to stop the air conditioner.
The FAN ONLY mode does not control temperature. Therefore, perform only steps 1,3, and 4 to select this mode.

Drying operation



Start

Ensure unit is plugged and power is available.
The OPERATION indicator on the display panel of the indoor unit starts flashing.

1. Mode select button (MODE)
   Press to select DRY.
2. TEMP/TIME button
   Push the "TEMP/TIME" button to set the desired temperature.
3. ON/OFF button
   When the remote controller is off, push this button to start the air conditioner.

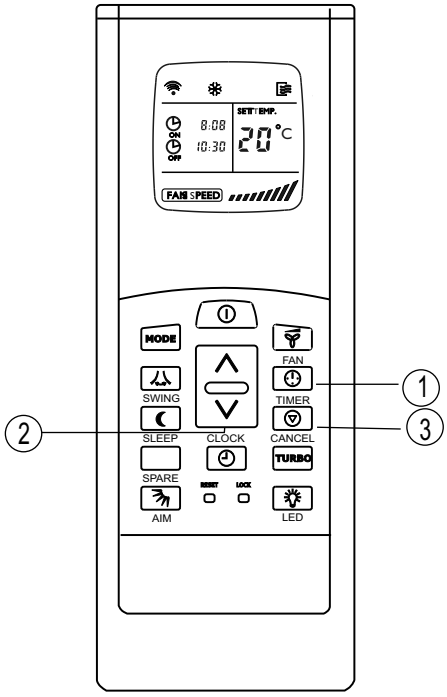
Stop

ON/OFF button
Push this button again to stop the air conditioner.

Note: The fan speed cannot be adjusted when the unit is in AUTO and DRY mode.

USING THE REMOTE CONTROLLER

Timer operation



1. TIMER button
   Press the TIMER button as required. The current timer setting is displayed alongside either the TIMER ON or TIMER OFF indicator, and will flash.

2. TEMP/TIME button
   Press to set the desired time.
   ▲ Forward
   ▼ Backward
   Each time you push the button, the time moves forward or backward by 10 minutes depending on which direction you press. The time alters as quickly as you press the button.

3. After setting the timer for TIMER ON and TIMER OFF, check the TIMER indicator on the display panel of the indoor unit is illuminated.

Cancelling

4. Cancel button (CANCEL)
   Press the CANCEL button to cancel the timer setting.

Changing

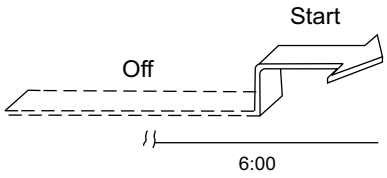
Preform steps 1, 2 and 3 to change the settings.

⚠ CAUTIONS

· When you select the timer operation, the remote controller automatically transmits the timer signal to the indoor unit at the specified time. Therefore, keep the remote controller in a location from which it can transmit the signal to the indoor unit properly.
· The effective operation time set by remote controller is limited in 24 hours.

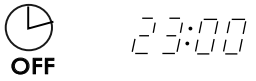
USING THE REMOTE CONTROLLER

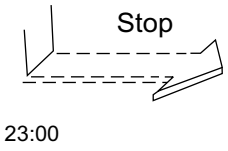
Examples of timer settings



TIMER ON
(Timer Start Operation)
The TIMER ON feature is useful when you want the unit to turn on automatically before say when you return home.
The air conditioner will automatically start operating at the set time.
IMPORTANT: The time will be registered within a 0.5 second period(after pressing the TEMP/TIME button), so you should continue pressing the button until the desired time is established. Otherwise you must repeat the steps again.

Example:
To start the air conditioner at 6:00 a.m.
1. Press the TIMER button, the TIMER ON indicator and the setting time will be displayed and flashed(if the displayed time is just 6:00, 3 seconds later, the TIMER ON function will be activated automatically).
2. Use the TEMP/TIME button to display "6:00" on the TIMER ON display of the remote controller.
3. Wait for 0.5 second and the TIMER ON indicator stops flashing and this function is activated.



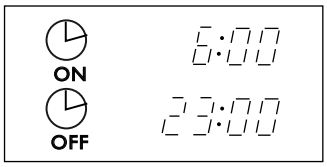


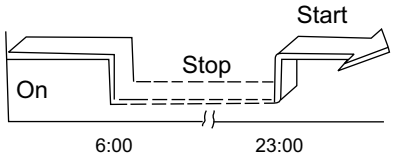
TIMER OFF
(Timer Stop Operation)
The TIMER OFF feature is useful when you want the unit to turn off automatically after you go to bed. The air conditioner will stop automatically at the set time.

Example:

To stop the air conditioner at 23:00 p.m.
1. Press the TIMER button until the TIMER OFF indicator and the setting time flashes in the display panel(if the displayed time is just 23:00, 3 seconds later, the TIMER OFF function will be activated automatically).
2. Use the TEMP/TIME button to display "23:00" on the TIMER OFF display.
3. This function will be activated after 0.5 second you release the TEMP/TIME button.

USING THE REMOTE CONTROLLER





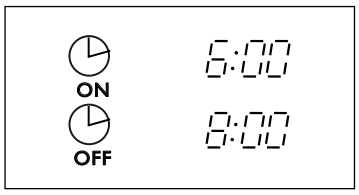
COMBINED TIMER
(Setting both ON and OFF timers simultaneously)

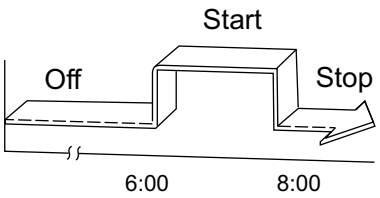
TIMER OFF → TIMER ON
(On → Stop → Start operation)
This feature is useful when you want to stop the air conditioner after you go to bed, and start it again in the morning when you wake up or when you return home.

Example:

Now it is 20:00 o'clock in the evening. You want to stop the air conditioner at 23:00 and start it again the next morning at 6:00.

1. Press the TIMER button until the TIMER OFF indicator and time setting is displayed and flashed.
2. Use the TEMP/TIME button to display "23:00" on the TIMER OFF display.
3. Press the TIMER button again to display the TIMER ON .
4. Use the TEMP/TIME button to display "6:00" on the TIMER ON display.
5. Wait for 0.5 second until the TIMER ON indicator stops flashing and this function is activated.





TIMER ON → TIMER OFF
(Off → Start → Stop operation)
This feature is useful when you want to start the air conditioner before you wake up and stop it after you leave the house.

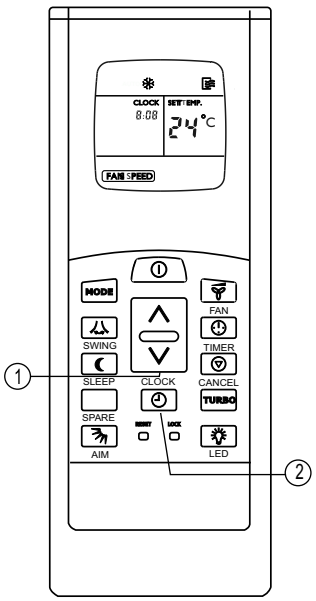
Example:

To start the air conditioner at 6:00 the next morning, and stop it at 8:00.

1. Press the TIMER button, the TIMER ON displays and flashes.
2. Use the TEMP/TIME button to display "6:00" on the TIMER ON display of the remote controller.
3. Press the TIMER button again to display the TIMER OFF .
4. Use the TEMP/TIME button to display "8:00" on the TIMER OFF display.
5. Wait for 0.5 seconds until the TIMER OFF indicator stops flashing and this function is activated.

USING THE REMOTE CONTROLLER

Setting the clock



Before you start operating the air conditioner, set the clock of the remote controller using the procedures given in this section. The clock panel on the remote controller will display the time regardless of whether the air conditioner is in use or not.

Initial Setting or the Clock

After batteries are inserted in the remote controller, the clock panel will display "0:00" and begin to flash.

1. TEMP/TIME adjust button
- Press this button to set time.
- ▲ Forward.
- ▼ Backward.
- Each time you press the button, the time moves forward or backward by one minute depending on which side you press. The time alters as quickly as you push the button.
- Keep pressing the button without releasing, the time moves forward or backward by 10 minutes depending on which side you press.

2. **CLOCK button**

When the right time is achieved, press the CLOCK button or release the ▲ or ▼ and wait for 5 seconds, the clock time stops flashing and the clock starts operating.

3.Readjusting the Clock

Press the CLOCK button on the remote controller for about 3 seconds, the colon in the clock display will start to flash. To set the new time, follow 1 and 2 of "Initial Setting of the Clock".

Note: The time of the CLOCK must be set before the AUTO-TIMER feature will operate. If you readjust the time of the CLOCK after setting the AUTO-ON/OFF timer, the remote controller will send the readjusted timer information to the unit.

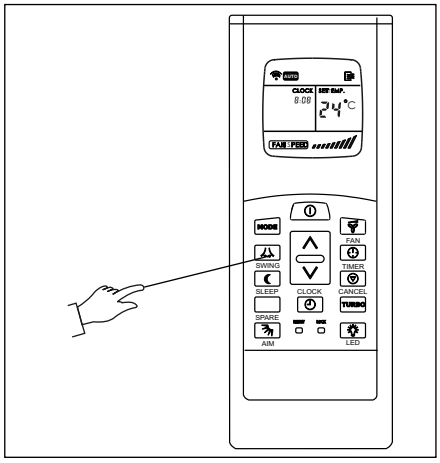
* Clock accuracy is within 15 seconds per day.

⚠ CAUTIONS

Static electricity or other factors (in case of extremely high voltage) can cause remote controller clock initialize. If your remote controller is initialized (flashing "0:00"), readjust the clock before you start operation.

USING THE REMOTE CONTROLLER

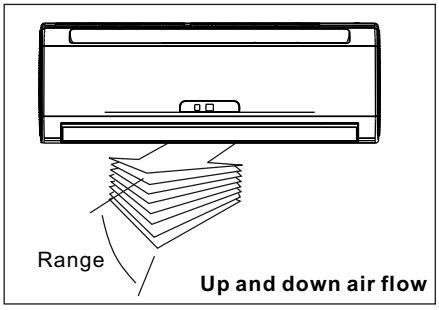
Airflow direction control



- Adjust the air flow direction properly, otherwise it might cause discomfort or cause uneven room temperatures.
- Adjust the horizontal louvres by using the remote controller.
- Adjust the vertical louvres manually.

To set the up--down air flow direction

Perform this function while the unit is in operation.
Press the AIM button on the remote controller to move the louver to the desired direction.
The readjusting angle of the horizontal louvre is 6^{o} for each press.



Up and down air flow

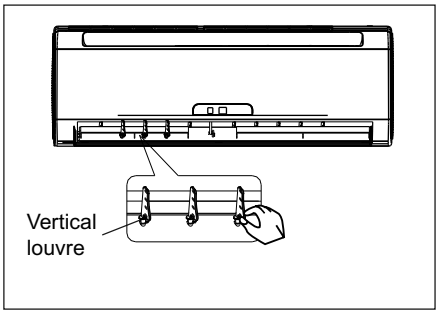
To set the left--right air flow direction (manually)

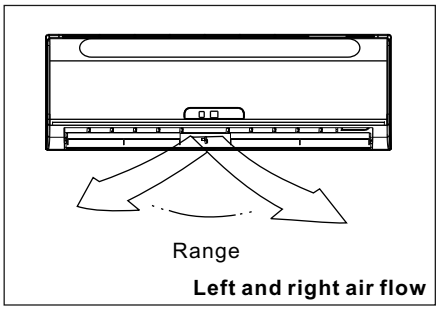
Perform these adjustments before you start the unit because once it has been started, on the fan there is a risk of your fingers getting caught on the fan.

To set the automatically up and down air flow direction

Perform this function while the air conditioner is in operation.

- Press the SWING button on the remote controller, the horizontal louver will swing up and down automatically. To stop the function, press the SWING button
- again.



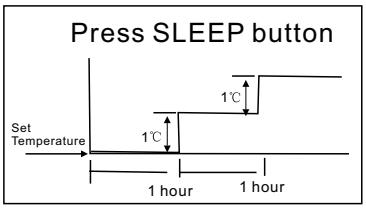


Left and right air flow

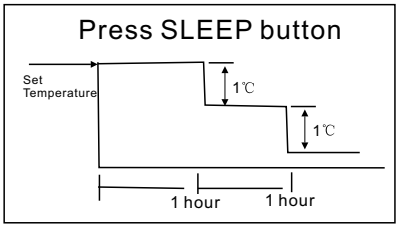
⚠ CAUTION

- The SWING & FIX buttons will be disabled when the air conditioner is not in operation(including when the TIMER ON is set).
- Do not operate the air conditioner for long periods with the air flow direction set downward in cooling or dry mode. Otherwise, condensation may occur on the surface of the horizontal louvre causing moisture to drop on to the floor or on furnishings.
- Do not move the horizontal louvre manually. Always use the SWING & FIX button. If you move this louvre manually, it may malfunction during operation. If the louvre malfunctions, stop the air conditioner once and restart it.
- When the air conditioner is started immediately after it was stopped, the horizontal louvre may not move for approximately 10 seconds.
- Open angle of the horizontal louvre should not be set too small, as COOLING or HEATING performance may be impaired due to too restricted air flow area.
- Do not operate unit with horizontal louvre in closed position.
- When the air conditioner is connected to power (initial operation), the horizontal louvre may generate a sound for 10 seconds, this is a normal operation.

HOW THE AIR CONDITIONER WORKS



Cooling



Heating

AUTOMATIC OPERATION

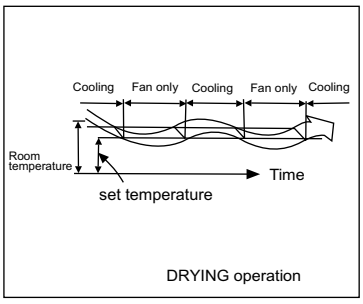
- When you set the air conditioner in AUTO mode, it will automatically select cooling, heating, or fan only operation depending on what temperature you have selected and the room temperature.
- The air conditioner will control room temperature automatically around the temperature point set by you.
- If the AUTO mode is uncomfortable, you can select desired conditions manually.

SLEEP OPERATION

When you push SLEEP button during cooling, heating or AUTO operation, the air conditioner will automatically increase (cooling) or decrease (heating) 1°C per hour over a 2 hour period. The set temperature will be steady for the next 5 hours then the unit will stop. The fan speed will be automatically controlled.

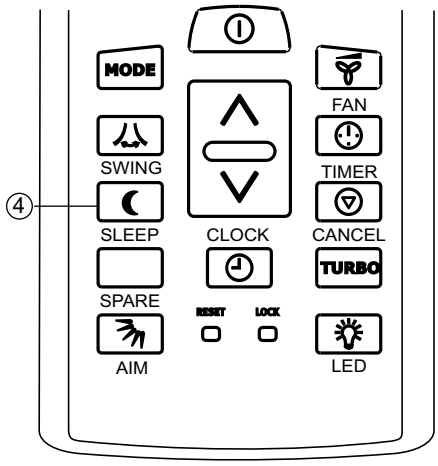
DRYING OPERATION

- The dry mode will automatically select the drying operation based on the difference between the set temperature and the actual room temperature.
- The temperature is regulated while dehumidifying by repeatedly turning on and off of the cooling operation or fan only operation. The fan speed is set on LOW.



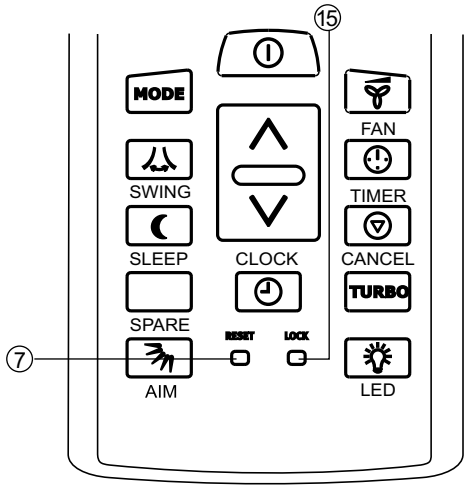
USING THE REMOTE CONTROLLER

④ SLEEP BUTTON FUNCTION



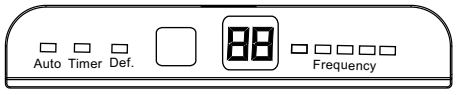
When you press the SLEEP button, the economic running function will be activated.
In the Cooling mode, the cooling temperature set point will increase 1°C per hour for 2 hours after the mode is selected. After 2 hours, the set point will continue at this temperature and the fan motor will be set to LOW speed. After a further 5 hours, the unit will stop.
In the Heating mode, the heating temperature set point will decrease 1°C per hour for 2 hours after the mode is selected. After 2 hours, the set point will continue at this temperature and the fan Motor will be set to LOW speed. After a further 5 hours, the unit will stop.
In the Auto mode, the set temperature will increase or decrease 1°C per hour according to the running mode at the time for 2 hours after SLEEP mode is selected. After 2 hours the set point will continue at that temperature and the fan motor will be set to LOW speed. After a further 5 hours, the unit will stop.
Using the SLEEP mode will reduce noise and create a comfortable sleeping environment.

⑦&⑮ RESET AND LOCK BUTTON FUNCTION

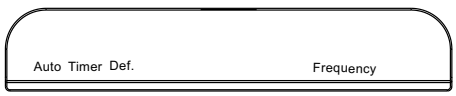


1. When you press the recessed LOCK button (button 1), all current settings are locked in and the remote control does not accept any operation except that of the LOCK.
   Use the lock mode when you want to prevent settings from being changed accidentally.
   Press the LOCK button again when you want to cancel the LOCK mode.
   A lock symbol will appear on the bottom left hand side of the remote control display when the LOCK function is activated.
2. When you press the recessed RESET button (button2), all current settings are cancelled and return to original factory settings.

⑭ DIGITAL DISPLAY BUTTON FUNCTION



(Display on)

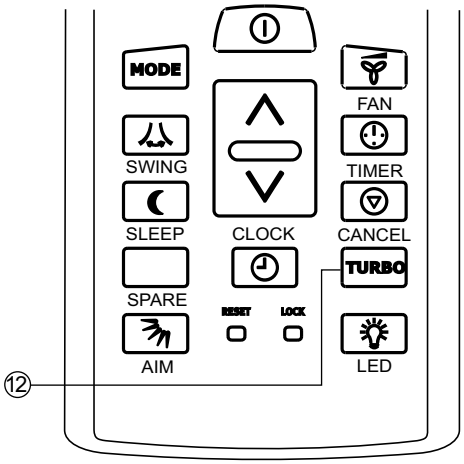


(Display off)

When you press the LED button, the setting temperature display on indoor unit will be shut off. Press the button again and the display will be activated. This function is useful when you want to shut down the display when you are sleeping.

USING THE REMOTE CONTROLLER

⑫ TURBO BUTTON FUNCTION



When you press the TURBO button in cooling mode, the air conditioner will enter TURBO mode with ultra-high compressor speed and reach the set temperature more quickly.
After running 20 minutes in TURBO mode, the indoor fan will automatically revert to the preset speed.
Alternatively, press the TURBO button again to cancel the TURBO function.

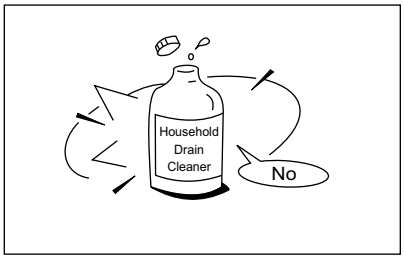
MAINTENANCE

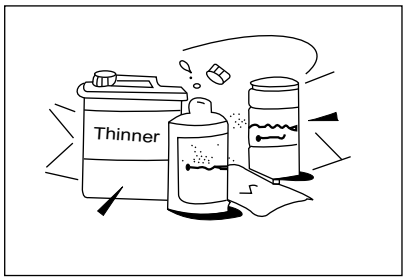
Maintenance

The unit is designed to operate for long periods of time with a minimum of maintenance. However, the following maintenance operations must be performed regularly.

Items	Maintenance operations	Recommended frequency
Dust filter	Clean	Every month or more often if necessary
Air filters	Replace/clean	Every 4 months
Unit casing	Clean	Every month or more often if necessary
Water tray and evacuation piping	Clean and check for obstructions	Each season before start up*
Indoor/outdoor coils	Clean	Each season before start up*

* This operation must be performed by qualified personnel only.





⚠ WARNING

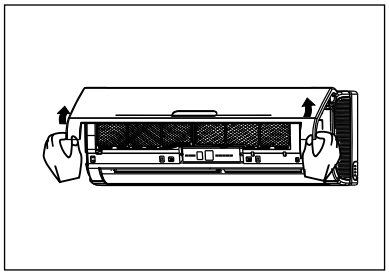
It is necessary to stop the air conditioner and disconnect the power supply before cleaning.

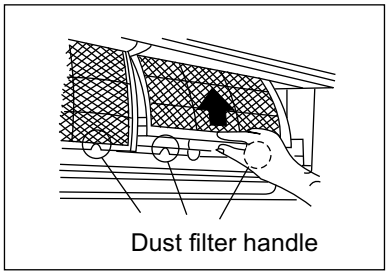
Cleaning the indoor unit and remote controller

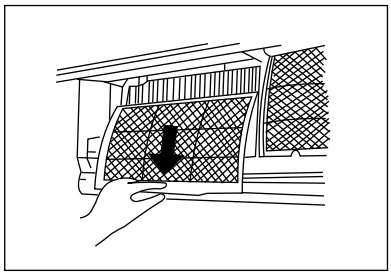
⚠ CAUTIONS

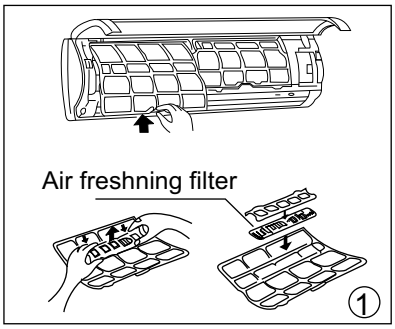
- Use a dry cloth to wipe the indoor unit and remote controller.
- A cloth dampened with cold water may be used on the indoor unit if it is very dirty.
- The front panel of the indoor unit can be removed and cleaned with water. Then wipe with a dry cloth.
- Do not use a chemically treated cloth or duster to clean the unit.
- Do not use benzine, thinner, polishing powder, or similar solvents for cleaning. These may cause the plastic surface to crack or deform.

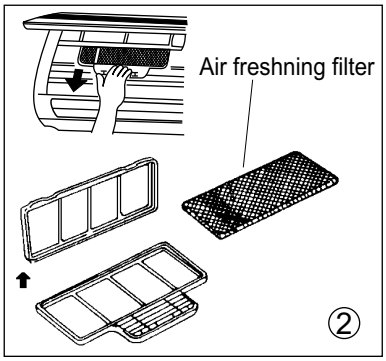
MAINTENANCE











Cleaning the filters

NOTE: Supply power must be disconnected before cleaning .

A clogged dust filter reduces the cooling efficiency of this unit. Please clean the filter every month or more often if necessary.

1. Lift the indoor unit front panel up to an angle until it stops with a clicking sound.
2. Take hold of the handle of the dust filter and lift it up slightly to take it out from the filter holder, then pull it downwards.
3. Remove the DUST FILTER from the indoor unit.
   - Clean the DUST FILTER with a vacuum cleaner or water, then dry it up in cool place.
4. Remove the **Air Freshening Filter(s):** Plasma Dust Collector/Silver Ion filter/Bio filter/ Vitamin C filter/3M Air Puirfier Filter (As applicable) from its support frame. There is slightly difference in installation/removing the filter, see the pictures marked ① and ② on the left.
   - Clean the air freshening filter(s) at least once a month, and replace every 4-5 months.
   - Clean with vacuum cleaner, (if applicable).

   Do not touch the Plasma Dust Collector Filter (if applicable) within 10 minutes of opening the front panel, it may cause an electric shock.
5. Install the air freshening filter(s) back into position.
6. Insert the upper portion of dust filter back into the unit, taking care that the left and right edges line up correctly and place dust filter into position.

General maintenance

If the air conditioner is not going to be used for a long period of time:

(1) Operate in fan only mode for 3~4 hours to allow the unit to completely dry out.

(2) Switch off the unit and pull the power plug. Remove the batteries from the remote controller.

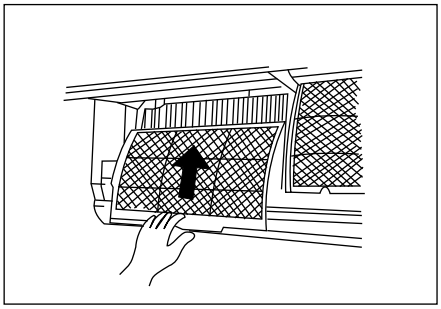
(3) The outdoor unit requires periodic maintenance and cleaning. Do not attempt to do this yourself. Contact your dealer or service technician.

Checks before operation

- Check that the wiring is not broken or disconnected.
- Check that the dust filter is installed.
- Check if the air outlet or inlet is blocked if the air conditioner has not been used for a long time.

TROUBLESHOOTING TIPS

Caution



- Do not touch the metal parts of the unit when removing the filter. Injuries can occur when handling sharp metal edges.
- Do not use water to clean inside the air conditioner. Exposure to water can destroy the insulation, leading to possible electric shock.
- When cleaning the unit, first make sure that the power and circuit breaker are turned off.

Troubleshooting Tips

Before you contact customer services, check the following first:

The air conditioner does not start. Check the following:
1. Is power available at the plug socket outlet?
2. Check the circuit fuse or circuit breaker!
3. Is the timer set?

If the air conditioner does not provide satisfactory cooling. Check the following:
1. Has an appropriate temperature been set?
2. Is the dust filter dirty? Clean and fit back in place.
3. Are the inlets and outlets on the outdoor unit blocked?
4. Are doors and windows closed?

If the remote controller does not work. Check the following:
1. Important! It only works within a range of 8m from the indoor unit.
2. Are the batteries OK? Replace if necessary!
3. Have the batteries been inserted correctly? Check that the + and - terminals are correct!

Stop the air conditioner immediately if one of the following faults occur. Disconnect the power and contact your service center.
1. Operaton indicator or other indicators flash rapidly(5 times every second) and this flashing can not be stopped by disconnecting the power and then connecting it in again.
2. Fuse blows frequently or circuit breaker trips frequently.
3. Objects or water penetrate the air conditioner.
4. If one of the malfunction codes appears on the LED display window: E0, E1, E3, E5, E6, E7, P0, P1, P2, P3 or P4 (E3 and E7: on some models).
5. Other abnormal situations.

TROUBLESHOOTING TIPS

Operation tips

The following events may occur during normal operation.

1. ***Protection of the air conditioner.***

   Compressor protection

   - The compressor can't restart for 3 minutes after it stops.

   Anti-cold air

   - The unit is designed not to blow cold air on HEAT mode, when the indoor heat exchanger is in one of the following three situations and the set temperature has not been reached.
     A) When heating has just starting.
     B) Defrosting.
     C) Low temperature heating.
   - The indoor or outdoor fan stop running when defrosting.

   Defrosting

   - Frost may be generated on the outdoor unit during heat cycle when outdoor temperature is low and humidity is high resulting in lower heating efficiency of the air conditioner.
   - During this condition air conditioner will stop heating operation and start defrosting automatically.
   - The time to defrost may vary from 4 to 10 minutes according to the outdoor temperature and the amount of frost buildup on the outdoor unit.

2. **A white mist coming out from the indoor unit**
   - A white mist may generate due to a large temperature difference between air inlet and air outlet on COOL mode in an indoor environment that has a high relative humidity.
   - A white mist may generate due to moisture generated from defrosting process when the air conditioner restarts in HEAT mode operation after defrosting.

3. **Low noise of the air conditioner**
   - You may hear a low hissing sound when the compressor is running or has just stopped running.
     This sound is the sound of the refrigerant flowing or coming to a stop.
   - You can also hear a low "squeak" sound when the compressor is running or has just stopped running. This is caused by heat expansion and cold contraction of the plastic parts in the unit when the temperature is changing.
   - A noise may be heard due to louver restoring to its original position when power is first turned on.

TROUBLESHOOTING TIPS

4. **Dust is blown out from the indoor unit.**
   This is a normal condition when the air conditioner has not been used for a long time or during first use of the unit.

5. **A peculiar smell comes out from the indoor unit.**
   This is caused by the indoor unit giving off smells permeated from building material, from furniture, or smoke.

6. **The air conditioner turns to FAN only mode from COOL or HEAT mode.**
   When indoor temperature reaches the temperature setting on air conditioner, the compressor will stop automatically, and the air conditioner turns to FAN only mode. The compressor will start again when the indoor temperature rises on COOL mode or falls on HEAT mode to the set point.

7. Dripping water may generate on the surface of the indoor unit when cooling in a high relatively humidity (relative humidity higher than 80%). Adjust the horizontal louvre to the maximum air outlet position and select HIGH fan speed.

8. **Heating mode**
   The air conditioner draws in heat from the outdoor unit and releases it via the indoor unit during heating operation. When the outdoor temperature falls, heat drawn in by the air conditioner decreases accordingly. At the same time, heat loading of the air conditioner increases due to larger difference between indoor and outdoor temperature. If a comfortable temperature can't be achieved by the air conditioner, we suggest you use a supplementary heating device.

9. **Auto-restart function**
   Power failure during operation will stop the unit completely.
   For the unit without Auto-restart feature, when the power restores, the OPERATION indicator on the indoor unit starts flashing. To restart the operation, push the ON/OFF button on the remote controller. For the unit with Auto-restart feature, when the power restores, after a delay of 3 minutes to protect the compressor the unit restarts automatically with all the previous settings preserved by the memory function.

10. Lightning or a car wireless telephone operating nearby may cause the unit to malfunction. Disconnect the unit with power and then re-connect the unit with power again. Push the ON/OFF button on the remote controller to restart operation.

Malfunctions and Solutions

Stop the air conditioner immediately if one of the following faults occur. Disconnect the power and contact the nearest customer service center.	
Trouble	If the following code appears on the LED window, disconnect the power and contact the service people: E0,E1,E2,E3,E4,E5,E6,E7,E8 or P0,P1,P2,P3,P4.
	Fuse blows frequently or circuit breaker trips frequently.
	Other objects or water penetrate the air conditioner.
	The remote controller won't work or works abnormally.
	Other abnormal situations.

Malfunctions	Cause	What should be done?
Unit does not start	Power cut	Wait for power to be restored.
	Unit may have become unplugged.	Check that plug is securely in wall receptacle.
	Fuse may have blown.	Replace the fuse.
	Battery in Remote controller may have been exhausted.	Replace the battery.
	The time you have set with timer is incorrect.	Wait or cancel timer setting.
Unit not cooling or heating (Cooling/ heating models only) room very well while air flowing out from the air conditioner	Inappropriate temperature setting.	Set temperature correctly. For detailed method please refer to "Using remote control" section.
	Air filter is blocked.	Clean the air filter.
	Doors or Windows are open.	Close the doors or windows.
	Air inlet or outlet of indoor or outdoor unit has been blocked.	Clear obstructions away first, then restart the unit.
	Compressor 3 minutes protection has been activated.	Wait.
If the trouble has not been corrected, please contact a local dealer or the nearest customer service center. Be sure to inform them of the detailed malfunctions and unit model.		

Notes: Do not attempt to repair the unit yourself.
Always consult an authorised service provider.

Electrolux Warranty

FOR SALES IN AUSTRALIA AND NEW ZEALAND
APPLIANCE: KELVINATOR SPLIT SYSTEM AIR CONDITIONER

This document sets out the terms and conditions of the product warranties for Electrolux Appliances. It is an important document. Please keep it with your proof of purchase documents in a safe place for future reference should you require service for your Appliance.

1. In this warranty
   (a) 'acceptable quality' as referred to in clause 10 of this warranty has the same meaning referred to in the ACL;
   (b) 'ACL' means Trade Practices Amendment (Australian Consumer Law) Act (No.2) 2010;
   (c) 'Appliance' means any Electrolux product purchased by you accompanied by this document;
   (d) 'ASC' means Electrolux' authorised serviced centres;
   (e) 'Electrolux' means Electrolux Home Products Pty Ltd of 163 O'Riordan Street, Mascot, NSW 2020, ABN 51 004 762 341 in respect of Appliances purchased in Australia and Electrolux (NZ) Limited of 3-5 Niall Burgess Road, Mount Wellington, in respect of Appliances purchased in New Zealand;
   (f) 'major failure' as referred to in clause 10 of this warranty has the same meaning referred to in the ACL and includes a situation when an Appliance cannot be repaired or it is uneconomic for Electrolux, at its discretion, to repair an Appliance during the Warranty Period;
   (g) 'Warranty Period' means:
      (i) where the Appliance is used for personal, domestic or household use (i.e. normal single family use) as set out in the instruction manual, the Appliance is warranted against manufacturing defects in Australia for 24 months and in New Zealand for the period of 24 months, following the date of original purchase of the Appliance and a further 36 months; in Australia if there is evidence provided to Electrolux that the appliance was installed by a licensed room air conditioner installer; in New Zealand if there is evidence that the Appliance was installed according to the Electrolux installation guidelines which can be inspected on the Kelvinator website;
      (ii) where the Appliance is used for commercial purposes (including being used to directly assist a business or where the Appliance is used in a multi-family communal or share type environment), the Appliance will then be warranted against manufacturing defects in Australia for 3 months and in New Zealand for 0 months, following the date of original purchase of the Appliance.
   (h) 'you' means the purchaser of the Appliance not having purchased the Appliance for re-sale, and 'your' has a corresponding meaning.
2. This warranty only applies to Appliances purchased and used in Australia or New Zealand and is in addition to (and does not exclude, restrict, or modify in any way) any non-excludable statutory warranties in Australia or New Zealand.
3. During the Warranty Period Electrolux or its ASC will, at no extra charge if your Appliance is readily accessible for service, without special equipment and subject to these terms and conditions, repair or replace any parts which it considers to be defective. Electrolux or its ASC may use remanufactured parts to repair your Appliance. You agree that any replaced Appliances or parts become the property of Electrolux. This warranty does not apply to light globes, batteries, filters or similar perishable parts.
4. Parts and Appliances not supplied by Electrolux are not covered by this warranty.
5. You will bear the cost of transportation, travel and delivery of the Appliance to and from Electrolux or its ASC. If you reside outside of the service area, you will bear the cost of:
   (a) travel of an authorised representative;
   (b) transportation and delivery of the Appliance to and from Electrolux or its ASC,

   In all instances, unless the Appliance is transported by Electrolux or an Electrolux authorised representative, the Appliance is transported at the owner's cost and risk while in transit to and from Electrolux or its ASC.
6. Proof of purchase is required before you can make a claim under this warranty.
7. You may not make a claim under this warranty unless the defect claimed is due to faulty or defective parts or workmanship. Electrolux is not liable in the following situations (which are not exhaustive):
   (a) the Appliance is damaged by:
      (i) accident
      (ii) misuse or abuse, including failure to properly maintain or service
      (iii) normal wear and tear
      (iv) power surges, electrical storm damage or incorrect power supply
      (v) incomplete or improper installation
      (vi) incorrect, improper or inappropriate operation
      (vii) insect or vermin infestation
      (viii) failure to comply with any additional instructions supplied with the Appliance;
   (b) the Appliance is modified without authority from Electrolux in writing;
   (c) the Appliance's serial number or warranty seal has been removed or defaced;
   (d) the Appliance was serviced or repaired by anyone other than Electrolux, an authorised repairer or ASC.
8. This warranty, the contract to which it relates and the relationship between you and Electrolux are governed by the law applicable where the Appliance was purchased. Where the Appliance was purchased in New Zealand for business purposes the Consumer Guarantee Act does not apply.
9. To the extent permitted by law, Electrolux excludes all warranties and liabilities (other than as contained in this document) including liability for any loss or damage whether direct or indirect arising from your purchase, use or non use of the Appliance.
10. For Appliances and services provided by Electrolux in Australia, the Appliances come with a guarantee by Electrolux that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and for compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the Appliance repaired or replaced if the Appliance fails to be of acceptable quality and the failure does not amount to a major failure. The benefits to you given by this warranty are in addition to your other rights and remedies under a law in relation to the Appliances or services to which the warranty relates.
11. At all times during the Warranty Period, Electrolux shall, at its discretion, determine whether repair, replacement or refund will apply if an Appliance has a valid warranty claim applicable to it.
12. For Appliances and services provided by Electrolux in New Zealand, the Appliances come with a guarantee by Electrolux pursuant to the provisions of the Consumer Guarantees Act, the Sale of Goods Act and the Fair Trading Act.
13. To enquire about claiming under this warranty, please follow these steps:
   (a) carefully check the operating instructions, user manual and the terms of this warranty;
   (b) have the model and serial number of the Appliance available;
   (c) have the proof of purchase (eg an invoice) available;
   (d) telephone the numbers shown below.
14. You accept that if you make a warranty claim, Electrolux and its ASC may exchange information in relation to you to enable Electrolux to meet its obligations under this warranty.

Important Notice

Before calling for service, please ensure that the steps listed in point 13 above have been followed.

FOR SERVICE or to find the address of your nearest state service centre in Australia **PLEASE CALL 13 13 49** For the cost of a local call (Australia only)	**SERVICE AUSTRALIA** Electrolux ELECTROLUX HOME PRODUCTS www.electrolux.com.au	**FOR SPARE PARTS** or to find the address of your nearest state spare parts centre in Australia **PLEASE CALL 13 13 50** For the cost of a local call (Australia only)

FOR SERVICE or to find the address of your nearest authorised service centre in New Zealand **FREE CALL 0800 10 66 10** (New Zealand only)	**SERVICE NEW ZEALAND** Electrolux ELECTROLUX HOME PRODUCTS www.electrolux.co.nz	**FOR SPARE PARTS** or to find the address of your nearest state spare parts centre in New Zealand **FREE CALL 0800 10 66 20** (New Zealand only)